

USE OF COLLOIDAL CLAYS FOR SUSTAINED RELEASE OF ACTIVE INGREDIENTS

ABSTRACT OF THE DISCLOSURE

One aspect of the invention is a method of controlling target living species with an active ingredient over an extended period of time. This method sorbs an
5 active ingredient into colloidal clay. Next, a polymer pellet recalcitrant to release of the active ingredient is loaded with the sorbed colloidal clay. Finally, the loaded polymer pellet is formed into a barrier, which is adapted to be placed at a location for controlling a target living species. Another aspect is a barrier for controlling a target living species. The formed barrier contains polymer pellets loaded with colloidal clay
10 sorbed with an active ingredient that controls the target living species. The sorbed clay loaded polymer polymer pellets are recalcitrant to release of the active ingredient.